Program Handbook

(Bachelor of Biochemistry)

1445

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Faculty of Science Background

History:

Faculty of Science established under the decision of the Board of Higher Education No. 15/37/1426 H. The approval of the Custodian of the Two Holy Prime Minister and Chairman of the Board of Higher Education, guidance No. 9683 / m. E on 5/8/1426 and was a branch of the King Abdul Aziz University in Tabuk including the following departments which offers the bachelor's degree, Mathematics, Physics, Chemistry, Biology, Biochemistry and Statistics.

Faculty Vision:

Distinguished faculty in education and scientific research to serve the community.

Faculty mission:

Providing distinguished academic education to graduate distinguished human cadres in theoretical and applied sciences to meet the needs of the labor market and society according to an educational environment that supports scientific research.

Faculty Objectives:

- To improve students' ability and capability in the various faculty programs and work to develop new programs for graduate studies in all departments.
- To enhance faculty staff efficiency and attract more expertise and dispatch distinct students to obtain M.Sc. degree and doctorate.
- To increase the effectiveness of the means of improvement and qualitative development of the faculty; by holding specialized scientific seminars and scientific conferences, and feedback from students about faculty members.
- To assess and design modern curricula for the faculty and to study the creation of new programs in the faculty in line with development Prerequisites and the needs of the labor market.
- To cooperate and coordinate with Faculties of Science at other national and international institutions and stand on the experiences of similar faculties inside and outside the Kingdom in the areas of faculty programs in order to obtain the academic accreditation.
- To encourage faculty research activities for community uplift, and develop the system of scientific research, by establishing state of the art research laboratories, and the issuance of a special scientific journal for the faculty.

General admission controls for the academic year 1445 AH.

1	The applicant must be of Saudi nationality or have a Saudi mother.
2	The applicant must have a high school diploma or its equivalent from inside or outside the Kingdom.
3	The equivalency of the secondary school certificate must be issued by the Diploma Equivalency Committee of the Ministry of Education if the certificate is from outside the Kingdom.
4	Study at the secondary level must be on a "regular" basis.
5	The secondary school certificate must not have been more than five years old, meaning that the certificate must have been issued in the academic year 1439 AH - 1440 AH or later, taking into account the special conditions for health specializations.
6	The applicant must not be more than 25 years old, meaning he must be born in 1998 or later.
7	The academic achievement test score must not be less than 50% (the available score will be approved during application)
8	The general aptitude test score must not be less than 50 (the available score will be approved during application).
9	The validity period of scores for the general aptitude and academic achievement tests is five years.
10	The applicant must not have a previous academic record at the University of Tabuk during the last four semesters.
11	The applicant must not have been academically or disciplinary expelled from the University of Tabuk or any other university.
12	The applicant must not be accepted or registered for the same academic degree or another academic degree at the University of Tabuk or any other university.
13	The applicant bears responsibility for the accuracy of the data, and acceptance is considered void if proven otherwise.
14	The applicant is responsible for following up on admission procedures through the university's website and the official social media outlets of the University of Tabuk.

Acceptance criteria and the mechanism for calculating the weighted and equivalent percentage for the academic year 1445 AH.

Male Students		Weighted percentage of scientific specializations		
		High school	General aptitude test	Academic achievement test
		30%	30%	40%
		Equivalent percentage for literary majors		
		High school	General aptitude test	
		30%	60	
Female Students		Weighted percentage of scientific and literary specializations		
		High school	General aptitude test	Academic achievement test
		30%	30%	40%

The weighted and equivalent percentage can be calculated via the Deanship of Admission and Registration website

Faculty Available programs

Bachelor Programs (Regular)

The number of studies in it is according to the study plan for each major. The student is granted a monthly financial reward according to the regulations of this program. The student, if he completes the graduation requirements, is granted a bachelor's degree.

1. Bachelor of Science in Biology.
2. Bachelor of Science in Chemistry.
3. Bachelor of Science in Physics.
4. Bachelor of Science in Mathematics.
5. Bachelor of Science in Biochemistry.
6. Bachelor of Science in Statistics.

Faculty of Science					
Specialization	Male Students	Female Students	Type of secondary school certificate	Acceptance standard	Program duration
Biology	√	√	Scientific	Weighted ratio	Four years
Mathematics	√	√			Four years
Physics	√	√			Four years
Chemistry	√	√			Four years
Biochemistry	√	√			Four years
Statistics	√	√			Four years

Steps to apply for university admission for the academic year 1445 AH

1		The applicant must use a computer while submitting the application and avoid using smart phones or tablets.
2		Enter the electronic admission portal of the University of Tabuk to submit an application for admission to the university via the following link: ttps://myut.ut.edu.sa/ut/init
3		The applicant must ensure that all required data is entered accurately and correctly.
4		The applicant must make sure to enter his contact information (e-mail, mobile phone number).
5		The applicant must ensure that all available desires are entered and arranged according to priority. The applicant bears responsibility for entering and arranging the desires.
6		The available specializations are shown to the applicant according to general and specific regulations.
7		E-ranks, waste and collar in the billions. Nominating applicants competitively according to the acceptance criteria (weighted percentage) and (equivalent percentage) and according to the order of desires and available seats.
8		The applicant must follow the electronic portal to know the results of the initial acceptance and final acceptance.
9		The candidate must enter the admission portal and choose the icon to confirm acceptance to confirm his desire. If admission is not confirmed or rejected, his candidacy will be considered invalid and he will lose his chance for acceptance.
10		The Deanship of Admissions and Registration receives requests to object to nominations electronically within a week from the date of announcing the results, and no requests will be considered after that period.

Department of Biochemistry

A brief history of the establishment of the Department of Biochemistry:

The Department of Biochemistry was established in the academic year 1433/1434 AH corresponding to 2012/2013 AD. Biochemistry is considered one of the most important biological sciences in our time, on the basis of which the progress of many life sciences is based, due to its various applications in various aspects of life. This science is concerned with studying the different components within the different living cells, as well as their interactions and relationships with each other. As well as studying the components inside the cell at the molecular level, which allows us to understand how the cell works, which helps in discovering and diagnosing, as well as helping to treat some diseases that affect the cell in the organism.

Department Mission:

"Providing distinguished education and competitive scientific research in the field of biochemistry that contributes to community service, environmental development and meeting the needs of the labor market."

Department Vision:

"Excellence in education, scientific research, community service, the environment, and regional competition in the field of biochemistry."

Department Objectives:

- Preparing scientifically qualified and practically trained graduates in the field of biochemistry.
- Accomplishing advanced scientific research in biochemical fields such as immunity, toxicology, molecular biology, biotechnology, and biophysical chemistry.
- Work as a house of expertise to provide scientific advice in modern scientific fields related to biochemistry.
- Achieving the college and university goals and the 2030 vision by providing the labor market with qualified graduates in the field of biochemistry and its applications.
- Community awareness in the field of biochemistry with regard to protecting society from diseases and various methods of protection using modern scientific methods and applications of biochemistry.
- Solving societal problems related to the field of biochemistry.
- Develop environmental plans and programs that help in preserving the environment by using biochemical techniques.

Degree offered by the Department of Biochemistry

Bachelor of Science in Biochemistry

Requirements for granting the academic degree:

The student obtains a bachelor's degree when he successfully passes a number of courses that represent the requirements of the university - the requirements of the college - the requirements of the department, which are represented in a number of credit hours (135) with a rate of no less than GPA 2 out of 5.

Description of the bachelor's Program of Biochemistry:

The Biochemistry program were designed for the undergraduate level and includes a variety of specialized courses that cover a comprehensive study of cell components and their interactions in living organisms. At the same time, the study in this program emphasizes the vital role that the study of biochemistry plays in strengthening the rest of the sciences, which entails the consolidation of the study of basic sciences in the college. In addition, studying in the department qualifies graduates strongly to work in several fields such as teaching, working in medical laboratories and in the field of scientific research.

Program Mission:

"To offer a distinguished educational environment that contributes to the preparation of cadres who are competent in the field of biochemistry, meeting labor market needs, enhancing research, and community involvement."

Program Vision:

"Leadership in biochemistry and its applications, creativity, and innovation in scientific research to serve society and meet the needs of the labor market."

Program Goals:

GOAL 1: Providing quality and distinguished education, and research in the field of biochemistry.

GOAL 2: Developing methods of advanced scientific research tools and their application in various biochemical fields.

GOAL 3: Encouraging awareness in the community about the importance of following scientific methods to preserve human health and protect the environment.

GOAL 4: Strengthening the qualified professional training to work for various scientific and consulting companies.

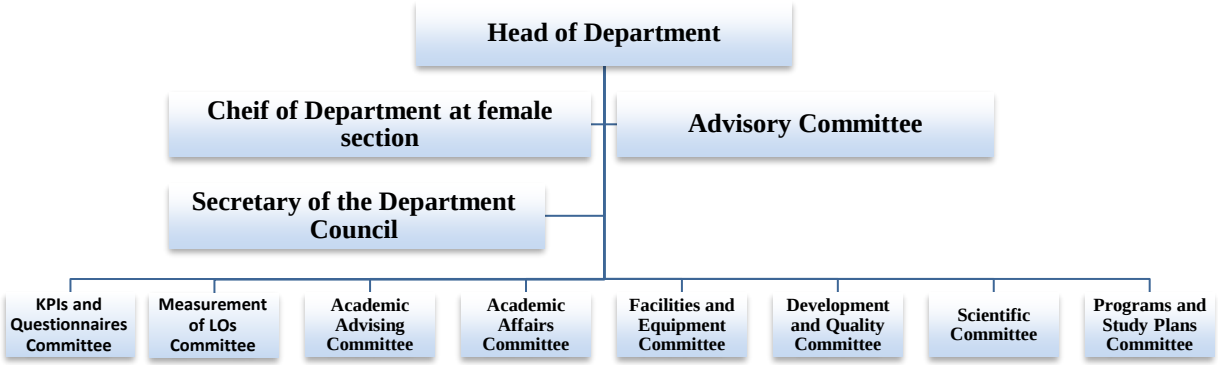
Program Tracks:

The program does not offer any specialization tracks in the undergraduate program.

Program exit points:

The program currently has no exit points.

The organizational structure of the Department of Biochemistry:



Study Plan General Components:

Program Structure	Req./Elective	courses	Credit Hours	Percentage
Institution Requirements	Required	9	20	14.81%
	Elective	----	----	------
College Requirements	Required	7	25	18..52%
	Elective	----	----	-----
Program Requirements	Required	24	76	56.3%
	Elective	4	8	5.93%
Research Essay in Biochemistry	Required	1	3	2.22%
Field Experience/ Internship	Required	1	3	2.22%
Others	----	----	----	-----
Total		46	135	100%

Whereas the academic accreditation requirements require certain proportions to the requirements of the university, the requirements of the department and the subjects free suggests Curriculum unity is compatible with these requirements.

- University requirements (10-20%)
- College Requirements (10-20%)
- department requirements (60%-80%)
  - Compulsory courses (50%)
  - Elective courses (6-8% from within the department)

University Prerequisites

	Course	Code	Credits		Weight %	Prerequisites
			Credit	Contact		
1	Communication Skills	COMM001	2	2		
2	Computer Skills and Applications	CSC001	3	4		
3	Learning, Thinking and Research Skills	LTS 001	3	4		
4	Language Skills	ARAB 101	2	2		
5	Islamic Culture 1	ISLS 101	2	2		
6	Islamic Culture 2	ISLS201	2	2		**ISLS 101**
7	Islamic Culture 3	ISLS 301	2	2		**ISLS201**
8	Islamic Culture 4	ISLS 401	2	2		**ISLS 301**
9	Writing Skills	ARAB 201	2	2		**ARAB 101**
	The Total		**20**	**22**		

Table of compulsory courses for scientific faculties

	Course Name	Code	Number Of Weekly Contact Hours			Credit Hours	Prerequisites
			Theoretical	Practical	Training		
1	Mathematics 1	MATH 100	3			3	
2	English for Scientific field (1)	ESC001	15			5	
3	General physics	PHYS 101	3			3	
4	English for Scientific field (2)	ESC 002	15			5	**ELS001**
5	General Biology	BIO101	3			3	
6	General Chemistry	CHEM 101	3			3	
7	Mathematics 2	MATH 101	3			3	**MATH 100**
Total			**45**			**25**	

Table of elective courses for the department

	Elective Courses	Course Code	Credit	Pre- requisites
1	Clinical Biochemistry	BIOC 420	2	**BIOC 305**
2	Molecular Genetics	BIOC 421	2	**BIOC 306**
3	Biomembranes	BIOC 422	2	**BIOC302**
4	Metabolism of Xenobiotics	BIOC 423	2	**BIOC308**
5	Proteomics	BIOC 424	2	**BIOC301**
6	Cell Signaling	BIOC 425	2	**BIOC308**
7	Free Radicals and Antioxidants	BIOC 426	2	**BIOC303**

Department course Table

Course Code	Course Title	Pre-Requisite Courses	Theoretical	Practical	Credit Hours
BIOC 200	General Biochemistry	BIO 101	3	1	**4**
CHEM 201	General Chemistry	CHEM 101	3	1	**4**
BIO 202	General Biology 2	BIO 101	3	1	**4**
BIOC 201	General Metabolism	BIOC 200	3	1	**4**
BIOC 202	Enzymes	BIOC 200	3	0	**3**
BIO 222	Cell Biology	BIO 202	3	0	**3**
CHEM 231	Principles of Organic Chemistry 1	--------	3	1	**4**
CHEM 202	General Chemistry (2)	CHEM 201	3	1	**4**
BIOC 301	Proteins and Amino Acids	BIOC 201	2	1	**3**
BIOC 302	Lipids and Membranes	BIOC 201	2	1	**3**
BIOC 303	Vitamins and Nutrition	BIOC 201	2	1	**3**
BIOC 304	Bioenergetics	BIOC 201	2	0	**2**
STAT 262	Biostatistics	MATH 101	4	0	**4**
BIOC 305	Blood and Biological Fluids	BIOC 301	2	1	**3**
BIOC 306	Molecular biology	BIOC 301	2	1	**3**
BIOC 308	Integration of Metabolism	BIOC 301	2	1	**3**
BIOC 309	Biophysics	-------	2	1	**3**
BIOC 401	Immunology	BIOC 301	2	0	**2**
BIOC 402	Genetic Engineering	BIOC 306	2	1	**3**
BIOC 403	Analytical Biochemistry	BIOC 309	2	1	**3**
BIOC 404	Field Experience	BIOC 308	0	3	**3**
BIOC 405	Plant and Microbial Biochemistry	BIO 222	2	0	**2**
BIOC 406	Endocrinology and Signal Transduction	BIOC 302	2	1	**3**
BIOC 407	Cancer Biology	BIOC 401	2	1	**3**
BIOC 408	Biotechnology	BIOC 402	2	1	**3**
BIOC 409	Research Essay in Biochemistry	BIOC 302	3	0	**3**

Course distribution Table according to program levels

Level/ hours	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College or Department)
Level 1 / 16h	MATH 100	Mathematics (1)	Required		3	**College**
	PHYS 101	General Physics	Required		3	**College**
	ELS 001	English Language (1)	Required		5	**University**
	CSC 001	Computer Skills and Applications	Required		3	**University**
	COMM 001	Communication Skills	Required		2	**University**
Level 2/ 17h	CHEM 101	General Chemistry	Required		3	**College**
	MATH 101	Mathematics (2)	Required	MATH 100	3	**College**
	BIO 101	General Biology	Required		3	**College**
	ELS 002	English Language (2)	Required	ELS 001	5	**College**
	LTS 001	Learning, Thinking and Research Skills	Required		3	**University**
Level 3/ 16h	ISLS 101	Islamic 1	Required		2	**University**
	CHEM 201	General Chemistry	Required		4	**Department**
	BIO 202	General Biology 2	Required	BIO 101	4	**Department**
	ARB 101	Language Skills	Required		2	**University**
	BIOC 200	General Biochemistry	Required	BIO 101	4	**Department**
Level 4/ 18h	CHEM 231	Principles of Organic Chemistry 1	Required		4	**Department**
	BIO 222	Cell Biology	Required	BIO 202	3	**Department**
	ISLS 201	Islamic Culture (2)	Required	ISLS 101	2	**University**
	ARAB 201	Writing skills	Required	ARAB 101	2	**University**
	BIOC 201	General Metabolism	Required	BIOC 200	4	**Department**
	BIOC 202	Enzymes	Required	BIOC 200	3	**Department**
Level 5/ 17h	ISLS 301	Islamic Culture (3)	Required	ISLS 201	2	**University**
	CHEM 202	General Chemistry (2)	Required	CHEM 201	4	**Department**
	BIOC 301	Proteins and Amino Acids	Required	BIOC 201	3	**Department**
	BIOC 302	Lipids and Membranes	Required	BIOC 201	3	**Department**
	BIOC 303	Vitamins and Nutrition	Required	BIOC 201	3	**Department**
	BIOC 304	Bioenergetics	Required	BIOC 201	2	**Department**
Level 6/ 18h	ISLS 401	Islamic Culture (4)	Required	ISLS 301	2	**University**
	STAT 262	Biostatistics	Required	MATH 101	4	**Department**
	BIOC 305	Blood and Biological Fluids	Required	BIOC 301	3	**Department**
	BIOC 306	Molecular biology	Required	BIOC 301	3	**Department**
	BIOC 308	Integration of Metabolism	Required	BIOC 301	3	**Department**
	BIOC 309	Biophysics	Required	-------	3	**Department**
Level 7/ 13h	BIOC 401	Immunology	Required	BIOC 301	2	**Department**
	BIOC 402	Genetic Engineering	Required	BIOC 306	3	**Department**
	BIOC 403	Analytical Biochemistry	Required	BIOC 309	3	**Department**
	BIOC 404	Field Experience	Required	--------	3	**Department**
	BIOC 405	Plant and Microbial Biochemistry	Required	BIO 222	2	**Department**
Level 8/ 12h	BIOC 406	Endocrinology and Signal Transduction	Required	BIOC 302	3	**Department**
	BIOC 407	Cancer Biology	Required	BIOC 401	3	**Department**
	BIOC 408	Biotechnology	Required	BIOC 402	3	**Department**
	BIOC 409	Research Essay in Biochemistry	Required	BIOC 302	3	**Department**

Course specifications for the old study plan)B.Sc. Biohemistry):

https://drive.google.com/drive/folders/1Qo3NNunLu2nVwnnsqLB4i5hrHmGhcO?usp=sharing

Developed study plan:

Curriculum Structure

Program Structure	Required/ Elective	No. of courses	Credit Hours	Percentage
Institution	Required	10	26	**19.11%**
	Elective	5	13	**9.55%**
College Requirements	Required	6	15	**11.03%**
	Elective	-	-	-
Program Requirements	Required	24	70	**51.47%**
	Elective	3	6	**4.41%**
Capstone Course/Project	----	1	3	**2.21%**
Field Training/ Internship	----	1	3	**2.21%**
Residency year	----			
Others	----			
Total		**50**	**136**	**100%**

Program Courses

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College, or Program)
Level 1	CSC1101	Introduction to Computing	Required	-	3	**Institution**
	EDUF1102	Thinking Critical Skills & Applications	Required	-	3	**Institution**
	ELS1101	English 1	Required	-	3	**Institution**
	MATH1101	Introduction to Mathematics	Required	-	3	**Institution**
	PHYS1101	of Fundamentals Physics	Required	-	3	**College**
	CHEM1101	of Fundamentals Chemistry	Required	-	3	**College**
Level 2	ARAB1101	Language Arabic Skills	Required	-	2	**Institution**
	BIO1101	of Fundamentals Biology	Required	-	3	**College**
	ELS1102	English 2	Required	ELS1101	3	**Institution**
	MATH1102	Differential calculus	Required	MATH1101	3	**Institution**
	CID1101	skills Communication	Required	-	2	**Institution**
	ISLS1101	Islamic Culture Between Authenticity & contemporary	Required	-	2	**Institution**
	GEE_S	Elective Natural and Social Sciences Course	Elective	-	3	**Institution**
Level 3	ISLS1201	Ethics and civilized. values in Islam	Required	ISLS1101	2	**Institution**
	GEE_T	Technology Elective Course	Elective	-	3	**Institution**
	BIO1201	of Principles Environmental Sustainability	Required	-	2	**College**
	BIO1208	Biodiversity	Required	-	2	**College**
	CHEM1202	Organic Chemistry 1	Required	CHEM1101	3	**Program**
	BIOC1201	General Biochemistry 1	Required	BIO1101	3	**Program**
	BIOC1202	Biochemistry Cellular	Required	BIO1101	3	**Program**
Level 4	GEE_L	Languages Elective course	Elective	-	3	**Institution**
	PHY1206	Natural Resources	Required		2	**College**
	BIOC1203	General Biochemistry 2	Required	BIOC1201	3	**Program**
	BIOC1204	Enzymology	Required	BIOC1201	3	**Program**
	BIOC1205	Plant Biochemistry	Required	BIOC1202 BIO1208	2	**Program**
	BIOC1206	Physical Biochemistry	Required	BIOC1201	3	**Program**
	BIOC1207	Vitamins and Minerals	Required	CHEM1202	3	**Program**
	GEE_C	Cultures Course	Elective	-	2	**Institution**
Level 5		Elective Cultures Course				
	BIOC1301	Metabolism 1	Required	BIOC1204	3	**Program**
	BIOC1302	Analytical Biochemistry	Required	BIOC1206 BIO1201	3	**Program**
	BIOC1303	Biochemistry of Blood	Required	BIOC1203	3	**Program**
	BIOC1304	Molecular Biochemistry	Required	BIOC1202	4	**Program**
	BIOC1305	of Biochemistry Nutrition	Required	BIOC1207 PHYS1206	3	**Program**

Level 6	GEE_P	Elective Professional and Personal Development	Elective	-	2	**Institution**
	BIOC1306	Metabolism 2	Required	BIOC1301	3	**Program**
	BIOC1307	Hormones	Required	BIOC1303	3	**Program**
	BIOC1308	Immunology	Required	BIOC1303	3	**Program**
	BIOC1309	Microbial Biochemistry	Required	BIOC1304	2	**Program**
	BIOC1310	Engineering Genetic	Required	BIOC1304	3	**Program**
	BIOCXXX1	1 course Elective	Elective		2	**Program**
Level 7	BIOC1401	Biochemistry Tumor	Required	BIOC1304	2	**Program**
	BIOC1402	Biochemistry Medical	Required	BIOC1303	3	**Program**
	BIOC1403	Bioinformatics	Required	BIOC1310	3	**Program**
	BIOC1404	Biotechnology	Required	BIOC1310	3	**Program**
	BIOC1498	Project	Required	EDUF1251	3	**Program**
	BIOCXXX2	Elective course	Elective	-	2	**Program**
	BIOCXXX3	Elective course 3	Elective	-	2	**Program**
Level 8	BIOC1405	Industrial Biochemistry	Required	BIOC1404	3	**Program**
	BIOC1406	Medical Genetics & Epigenetics	Required	BIOC1402	3	**Program**
	BIOC1495	Training	Required	90 Credit Hours	3	**Program**

Elective courses

BIOC1410	Drug Metabolism	Elective	BIOC1301	2	Program
BIOC1411	Forensic Biochemistry	Elective	BIOC1304	2	Program
BIOC1412	General Toxicology	Elective	BIOC1303	2	Program
BIOC1413	Bioenergetics	Elective	BIOC1306	2	Program
BIOC1414	Biochemistry of Biological Fluids	Elective	BIOC1303	2	Program
BIOC1415	Cell membranes and cell signaling	Elective	BIOC1307	2	Program
BIOC1416	Proteomics	Elective	BIOC1306	2	Program
BIOC1417	Stem cell and specified tissues	Elective	BIOC1303	2	Program
BIOC1418	Nanobiotechnology	Elective	BIOC1310	2	Program

Course specifications for the developed study plan (B.Sc. Biochemistry):

https://drive.google.com/drive/folders/1d_vSprrFEkfZ9P_JqxJ1Ky4vyau8yGrm?usp=share_link

Graduation and Degrees of honor (Grading System):

1. **Grade and degrees of honor obtained by the student in each course is calculated as follows**:

Rating weight out of (4)	Rating weight out of (5)	Grade Code	Grade	Grade Limit
4.00	5.00	A+	Exceptional	**95-100**
3.75	4.75	A	Excellent	**90 to less than 95**
3.50	4.50	B+	Superior	**85 to less than 90**
3.00	4.00	B	Very Good	**80 to less than 85**
2.50	3.50	C+	Above Average	**75 to less than 80**
2.00	3.00	C	Good	**70 to less than 75**
1.50	2.50	D +	High Pass	**65 to less than 70**
1.00	2.00	D	Pass	**60 to less than 65**
0	1.00	F	Fail	**less than 60**

2. **The cumulative grade point average (GPA) awarded to graduated student is as follows.**
   - Excellent: if the cumulative GPA of at least 4.5.
   - Very Good: If the cumulative GPA of 3.75 to less than 4.5.
   - Good: If the cumulative GPA of 2.75 to less than 3.75.
   - Pass: If the cumulative GPA of 2.00 to less than 2.75

3. **A student who graduated with accumulative grade point average (GPA) of (4.5) to (5) will be awarded First Class Honors Degree, and the one who graduated with accumulative grade point average (GPA) of (4.25) to less (4.75) will be awarded Second Class Honors Degree.**

The conditions required for awarding First Class Honors Degree or Second-Class Honors Degree is as follows:

- The student must not fail in any course taught to him at his university of graduation or any other university.
- The student must have completed graduation Prerequisites at a maximum average duration (between minimum and maximum stay in Faculty)
- The student must have studied at University of Tabuk at least 60% of graduation Prerequisites.

How to calculate the Semester (GPA) and average (GPA) for the year Example:

First semester

Course	Credit Hours	%	Grade	Grade Weight	points
MATH 100	2	85	B+	4.50	9.00
CHEM 101	3	70	C	3.00	9.00
BIO101	3	92	A	4.75	14.25
ELS001	4	80	B	4.00	16.00
Total	12				48.25

$$\text{GPA for Semester} = \frac{(48.25)}{\text{Total Units (12)}} = 4.02$$

Second Semester:

Course	Credit Hours	%	Grade	Grade Weight	points
PHYS101	2	96	A+	5.00	10
MATH 101	3	83	B	4.00	12
ELS002	4	71	C	3.00	12
CSC001	3	81	B	4.00	12
Total	12				46

$$\text{GPA for Semester} = \frac{46}{12} = 3.83$$

$$\text{Average GPA} = \frac{\text{Total points } (48.25 + 46)}{\text{Total Units } (12 + 12)} = 3.93$$

Faculty Members of Biochemistry Department

No.	Name	Degree	Profile	Email
1.	Dr. Adel Ibrahim Alalawy	Associate Professor		aalalawy@ut.edu.sa
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3.	Prof. Mohamed Ibrahim Sakran	Professor		msakran@ut.edu.sa
4.	Prof. Mohammed Ali AL-Duais	Professor		malduais@ut.edu.sa
5.	Prof. Haddad Elrabey	Professor		helrabey@ut.edu.sa
6.	Prof. Mervat Elsayed Mohammed	Professor		mervat@ut.edu.sa
7.	Prof. Mohamed Ali S. Mohamed	Professor		m.mohamed@ut.edu.sa
8.	Dr. Imadeldin Osman Elfaki	Associate Professor		ielfaki@ut.edu.sa
9.	Dr. Uzma Faridi	Associate Professor		ufaridi@ut.edu.sa
10.	Dr. Mohammed Rehan Ajmal	Assistant Professor		mkhan@ut.edu.sa
11.	Dr. Saham Faryd Ibrahim	Assistant Professor		sibrahim@ut.edu.sa
12.	Dr. Yasmene Falah Alanazi	Assistant Professor		yalenazi@ut.edu.sa
13.	Dr. Sahar mohammed Khateeb	Assistant Professor		skhateeb@ut.edu.sa
14.	Dr. Amnah Abdulmohsen H Alharbi	Assistant Professor		Ahalharbi@ut.edu.sa
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